

Effect of P-5-P and aspirin alone or in combination on mortality

Model: rat model of coronary ligation

Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), aspirin (100 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 20

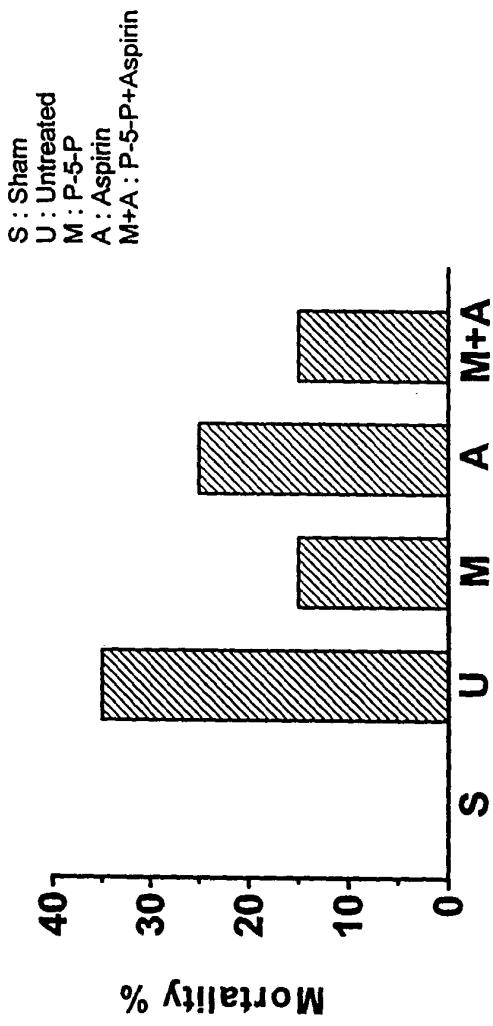


Figure 1

Effect of P-5-P and captopril alone or in combination on mortality

Model: rat model of coronary ligation

Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg),captopril (100 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 20

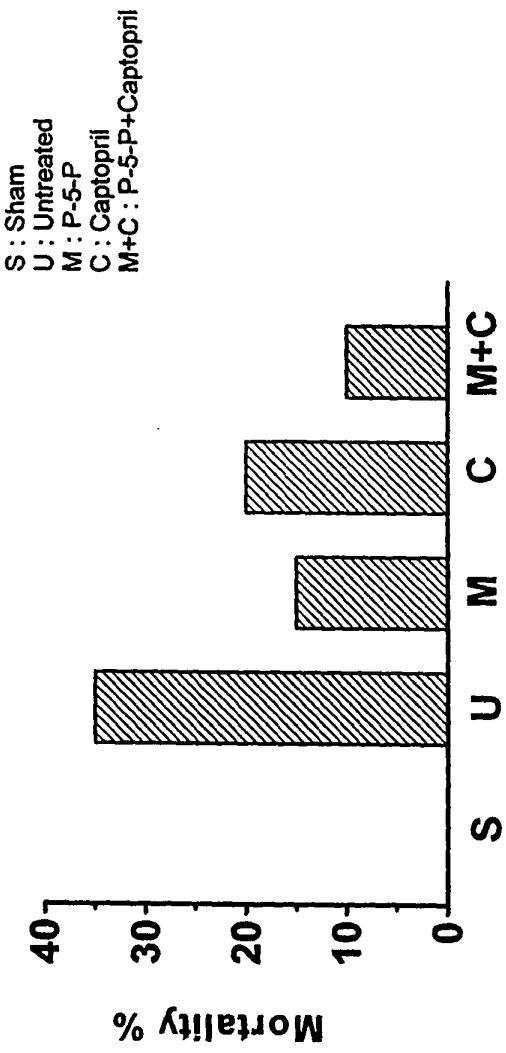


Figure 2

Effect of P-5-P and propranolol alone or in combination on mortality

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 20

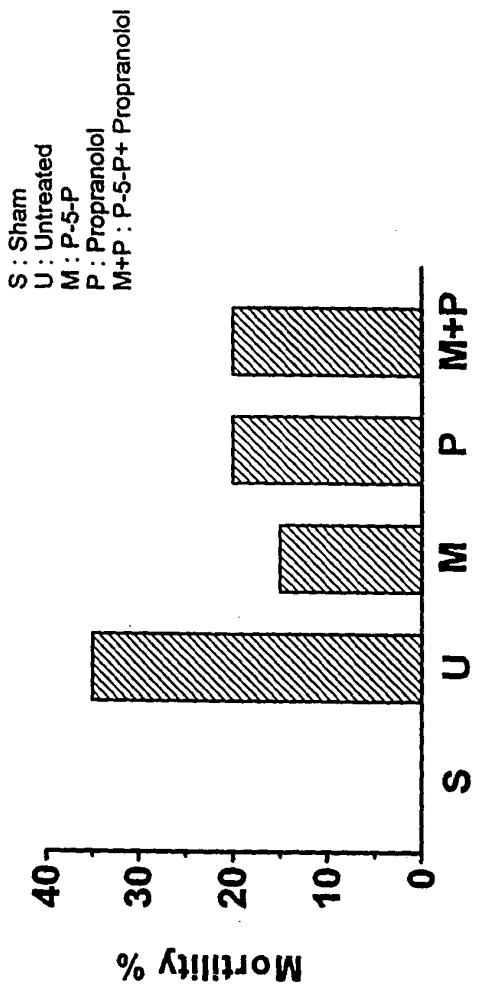


Figure 3

Effect of P-5-P and verapamil alone or in combination on mortality

Model: rat model of coronary ligation

Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 20

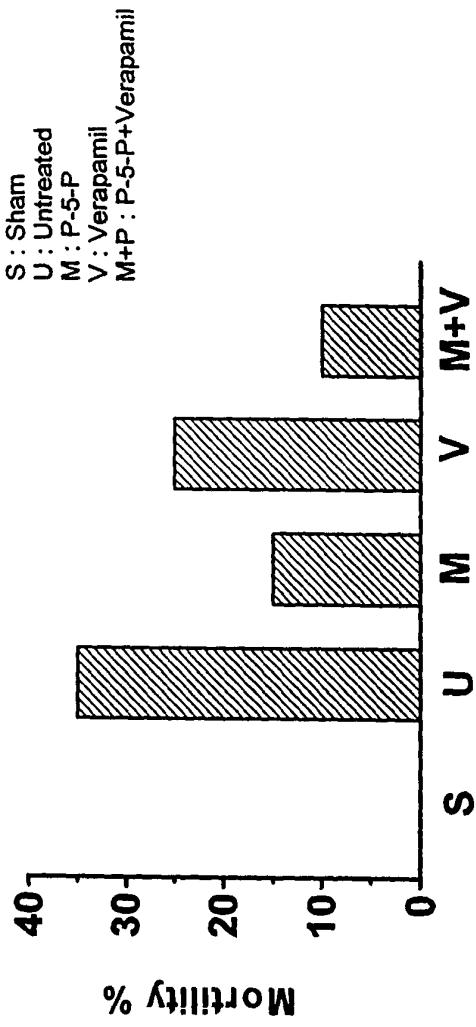
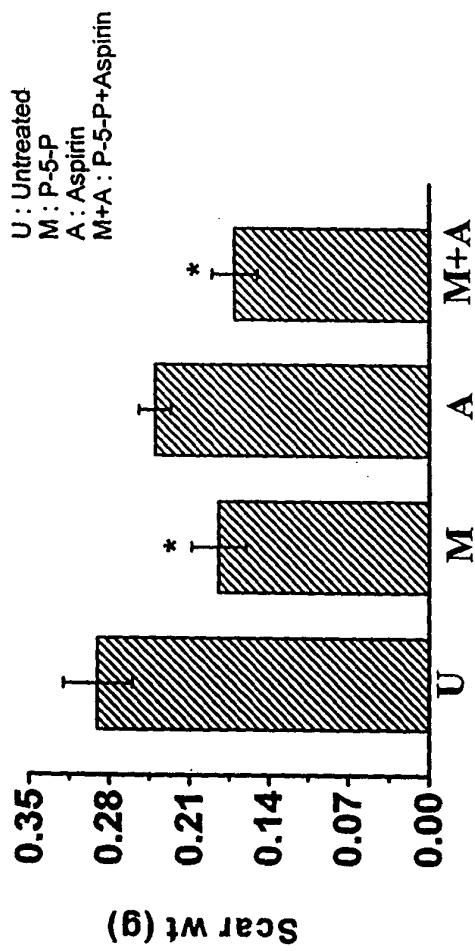


Figure 4

Effect of P-5-P and aspirin alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated and aspirin group

Figure 5

Effect of P-5-P and captopril alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

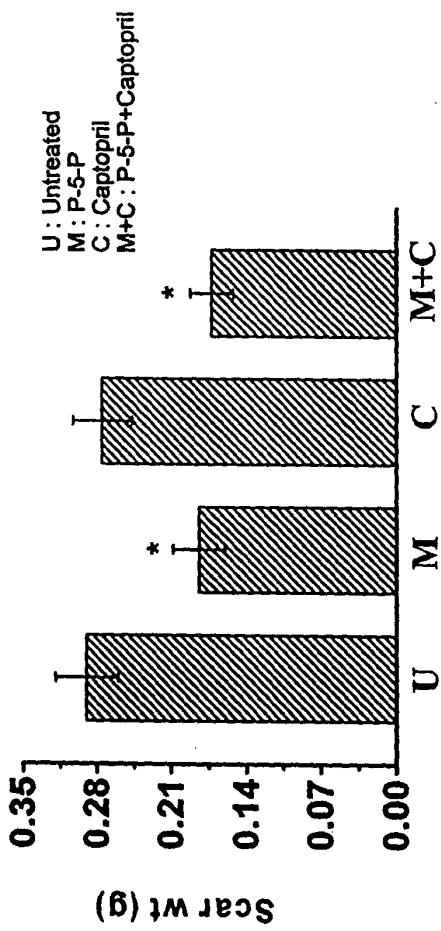


Figure 6

*P<0.05 significantly different from untreated and captopril group.

Effect of P-5-P and propranolol alone or in combination on scar weight

Model: rat model of coronary ligation

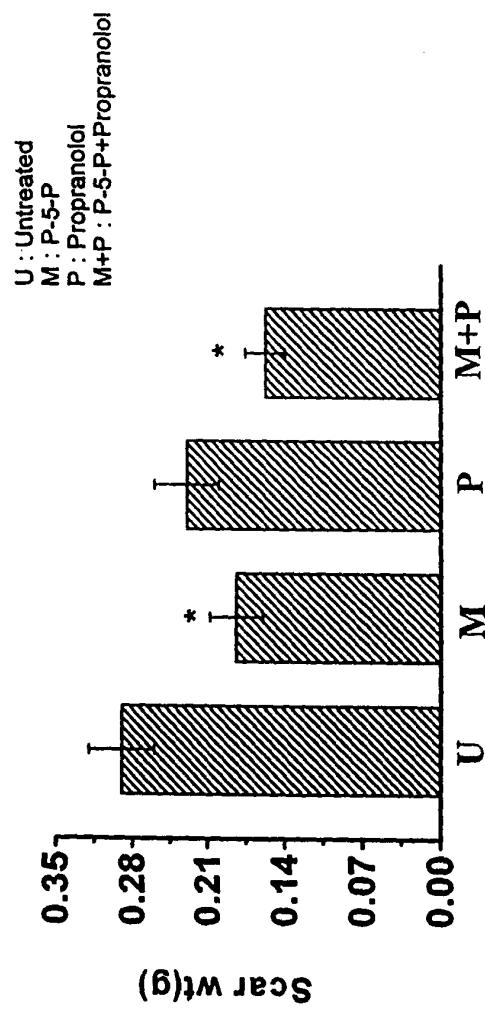
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 7

Effect of P-5-P and verapamil alone or in combination on scar weight

Model: rat model of coronary ligation

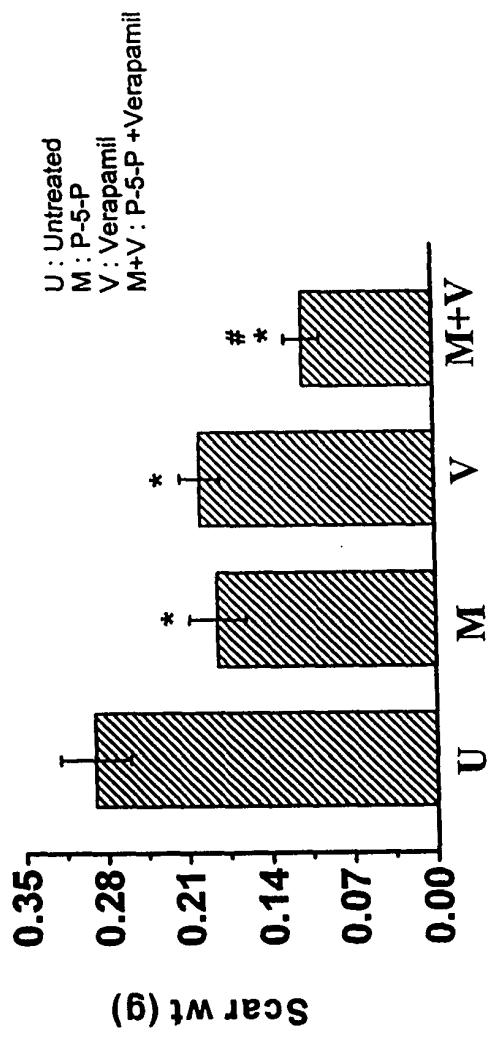
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), Verapamil (25 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment start time: 1 hour after ligation

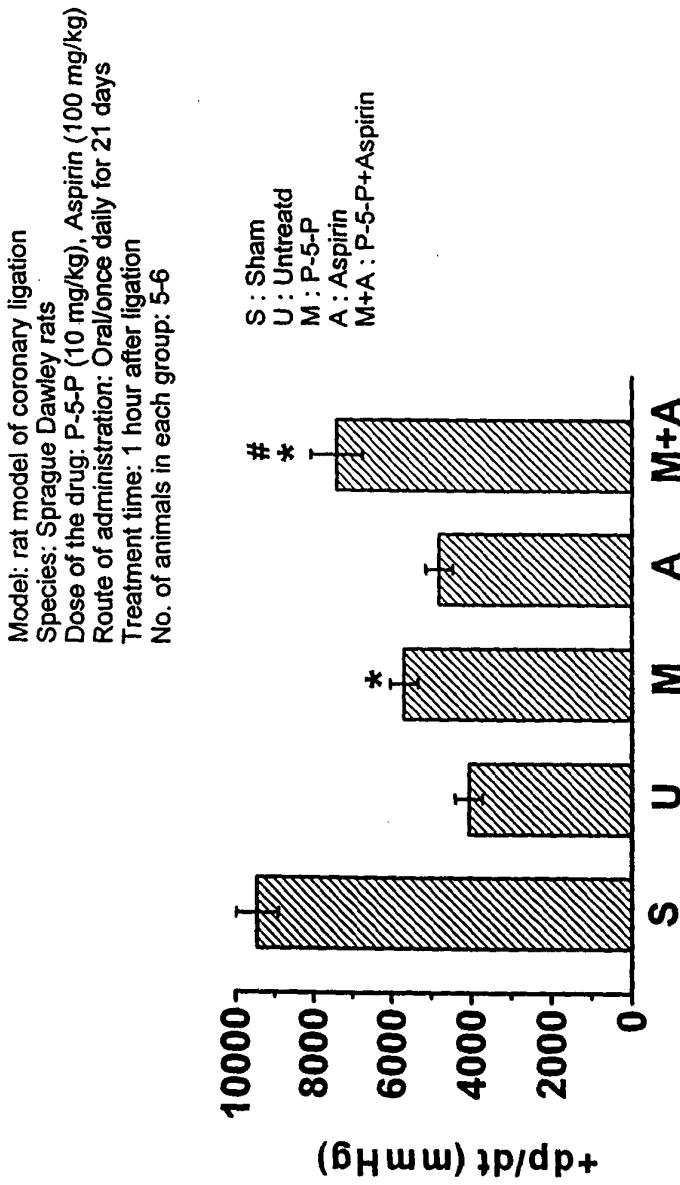
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group.
#P<0.05 significantly different from P-5-P and verapamil groups

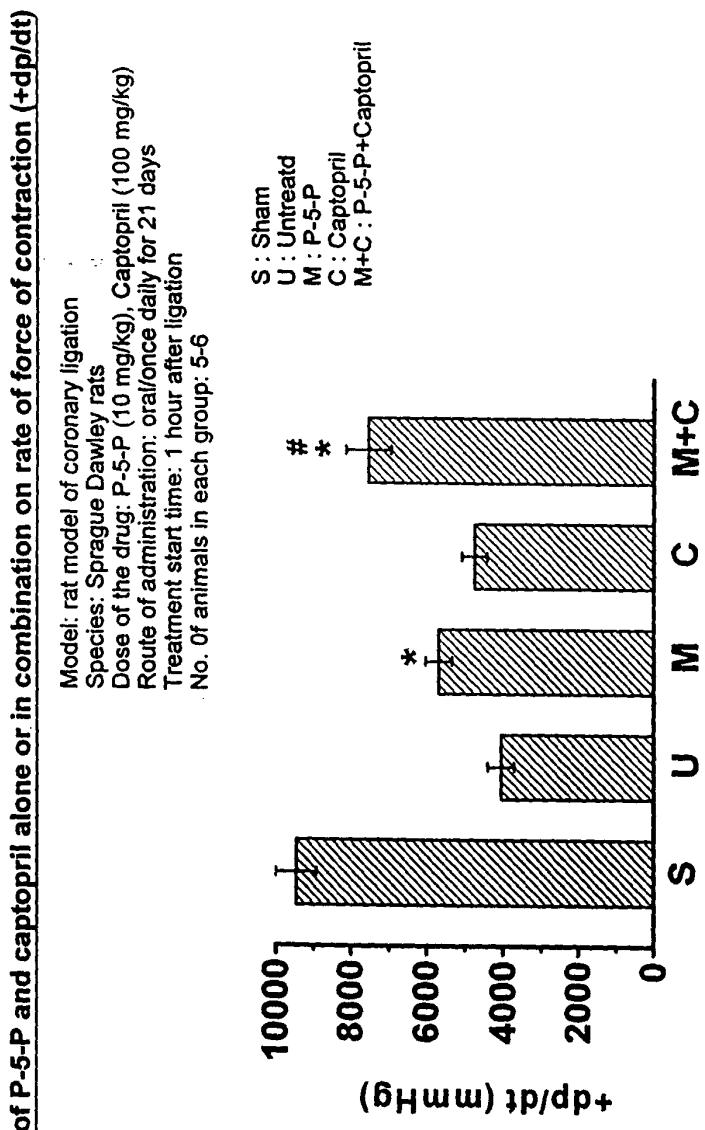
Figure 8

Effect of P-5-P and aspirin alone or in combination on rate of force of contraction (+dp/dt)



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 9



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 10

Effect of P-5-P and propranolol alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

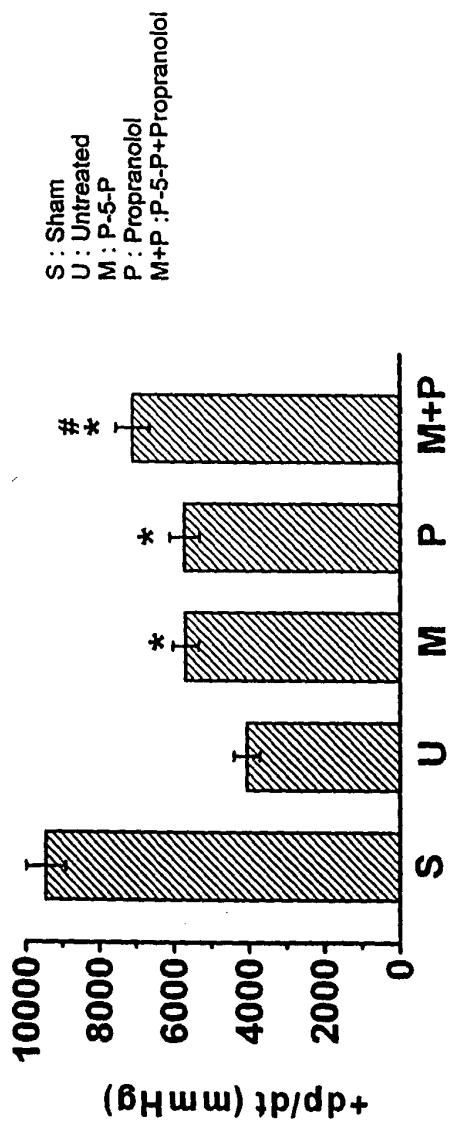
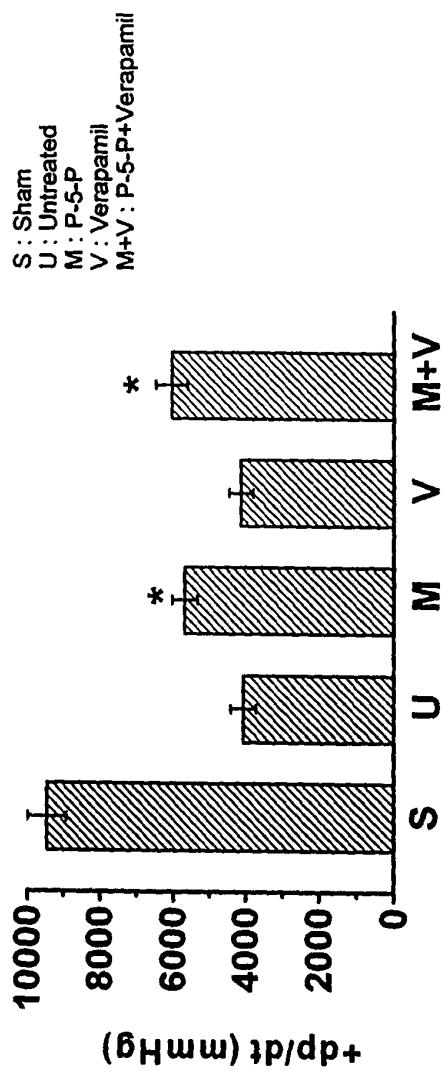


Figure 11

*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

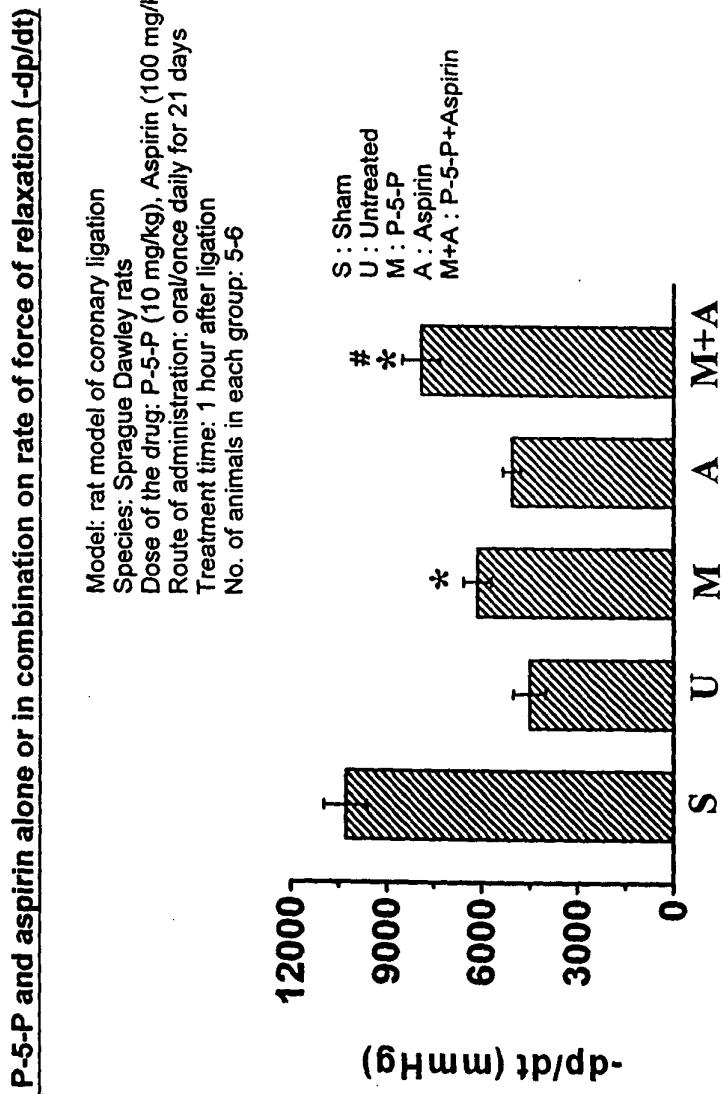
Effect of P-5-P and verapamil alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



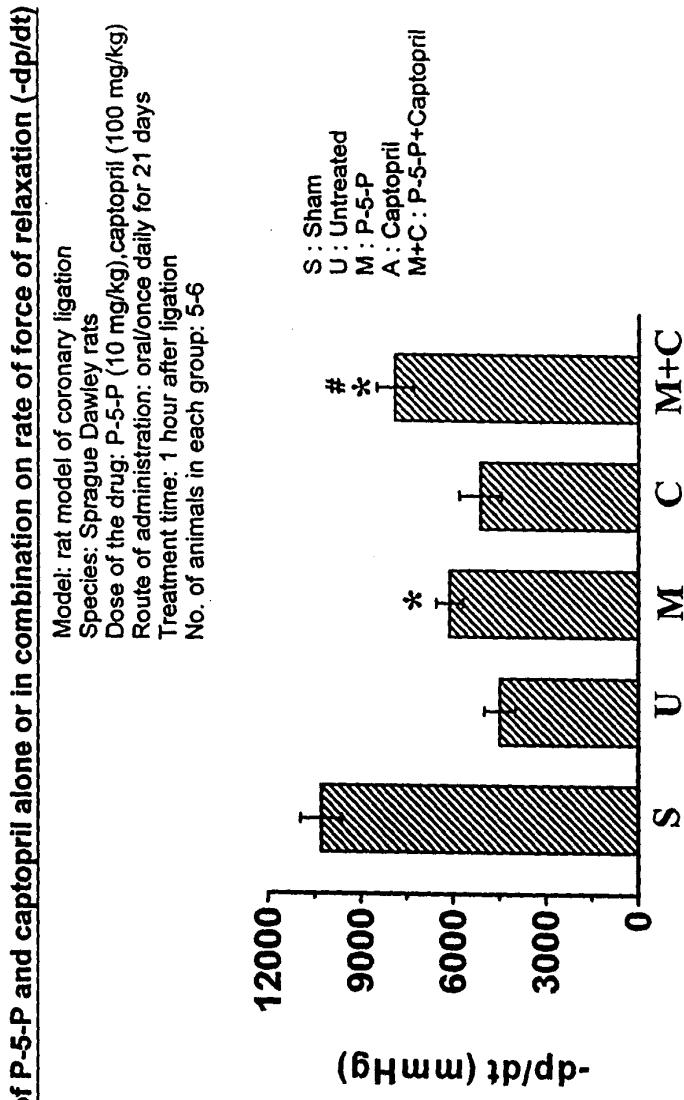
*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 12



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 13

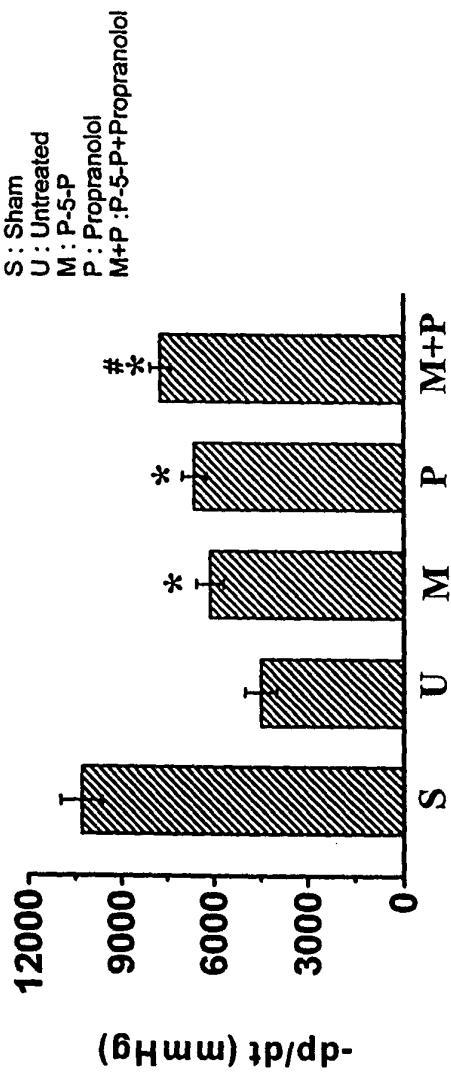


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 14

Effect of P-5-P and propranolol alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 15

Effect of P-5-P and verapamil alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation

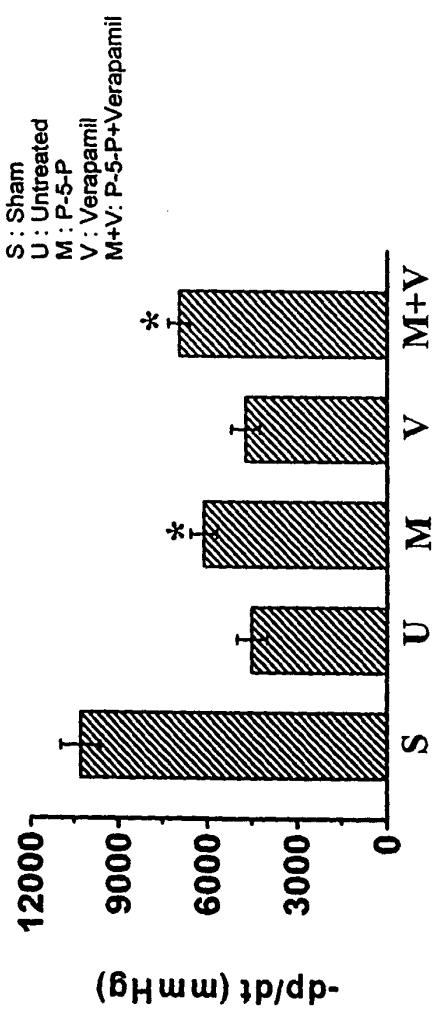
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)

Route of administration: oral once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 16

Effect of P-5-P and aspirin alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation

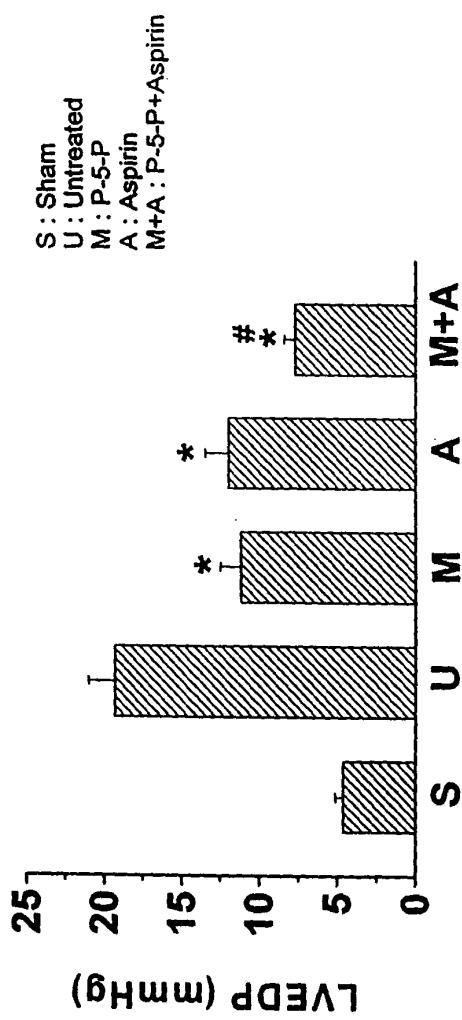
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 17

Effect of P-5-P and captopril alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation

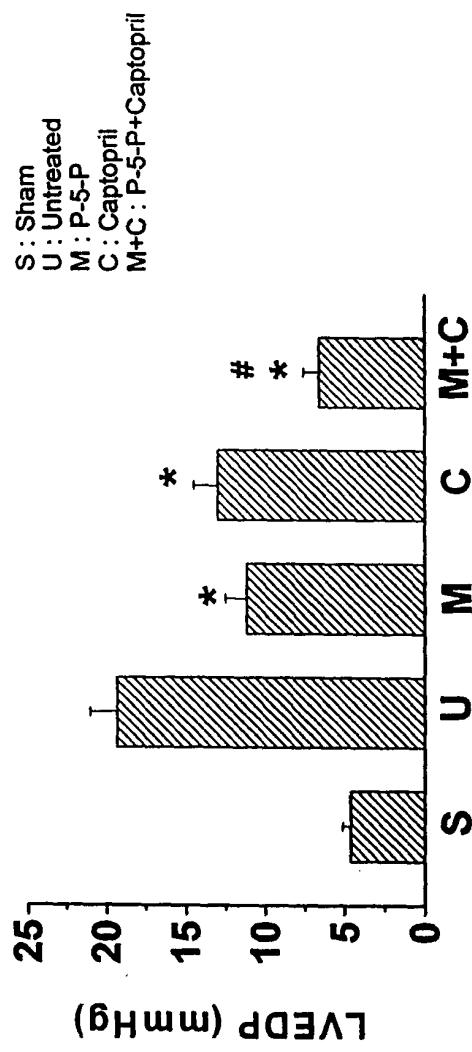
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6

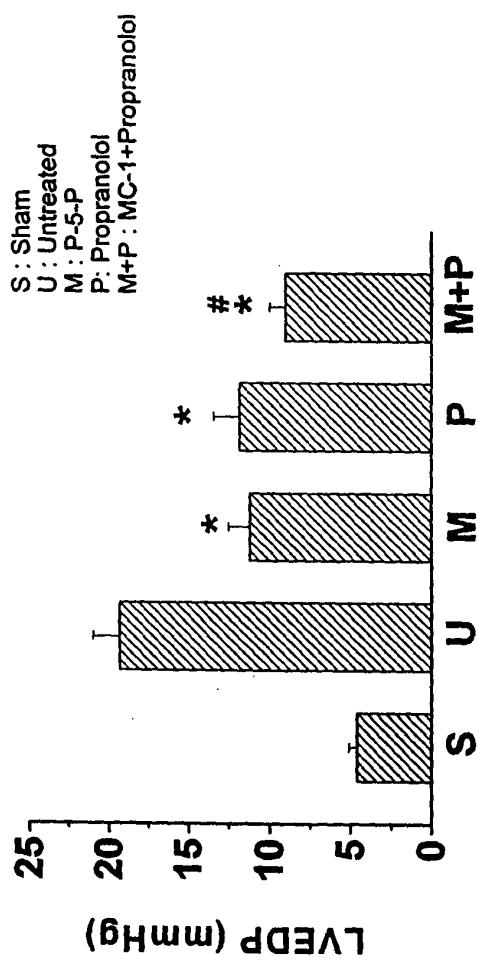


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 18

Effect of P-5-P and propranolol alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 19

Effect of P-5-P and verapamil alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation

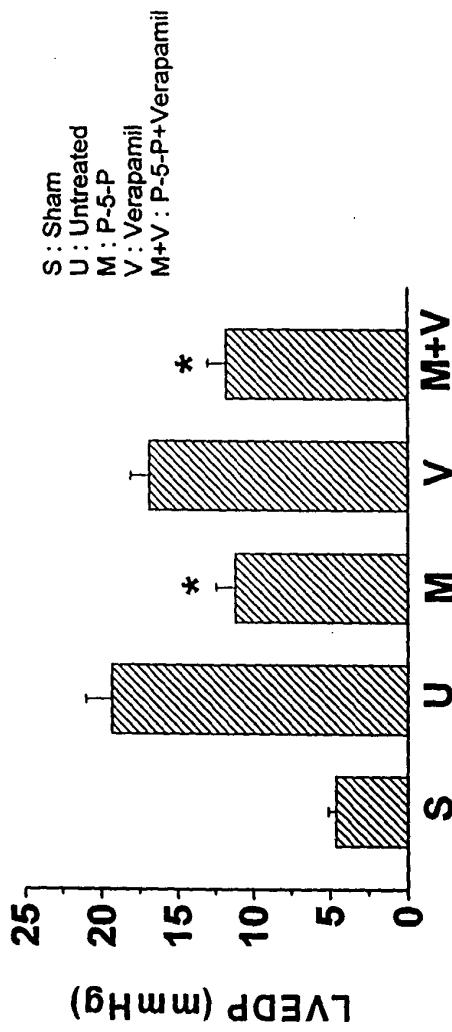
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

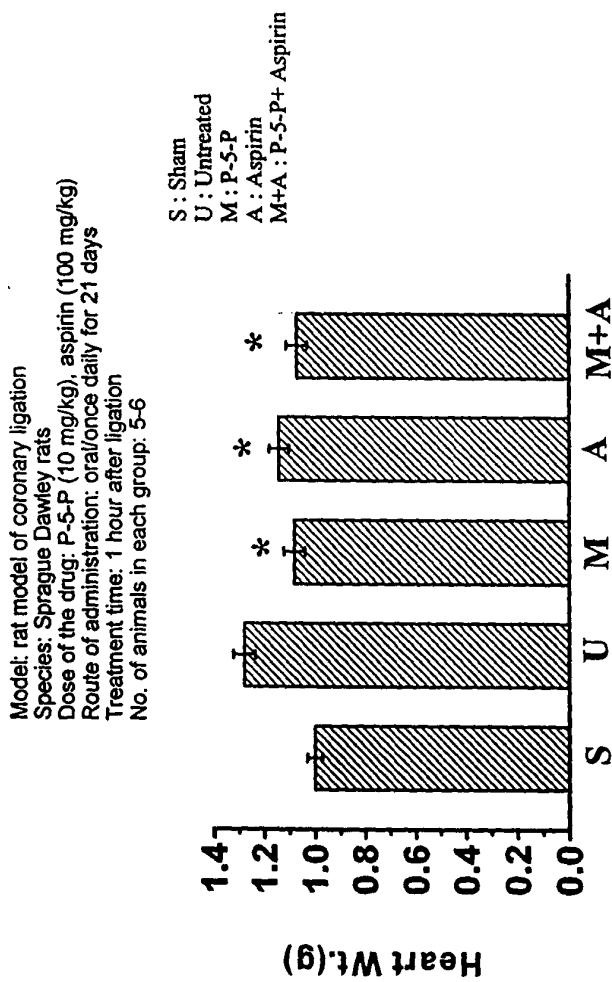
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 20

Effect of P-5-P and aspirin alone or in combination on heart weight



*P<0.05 significantly different from untreated group
Figure 21

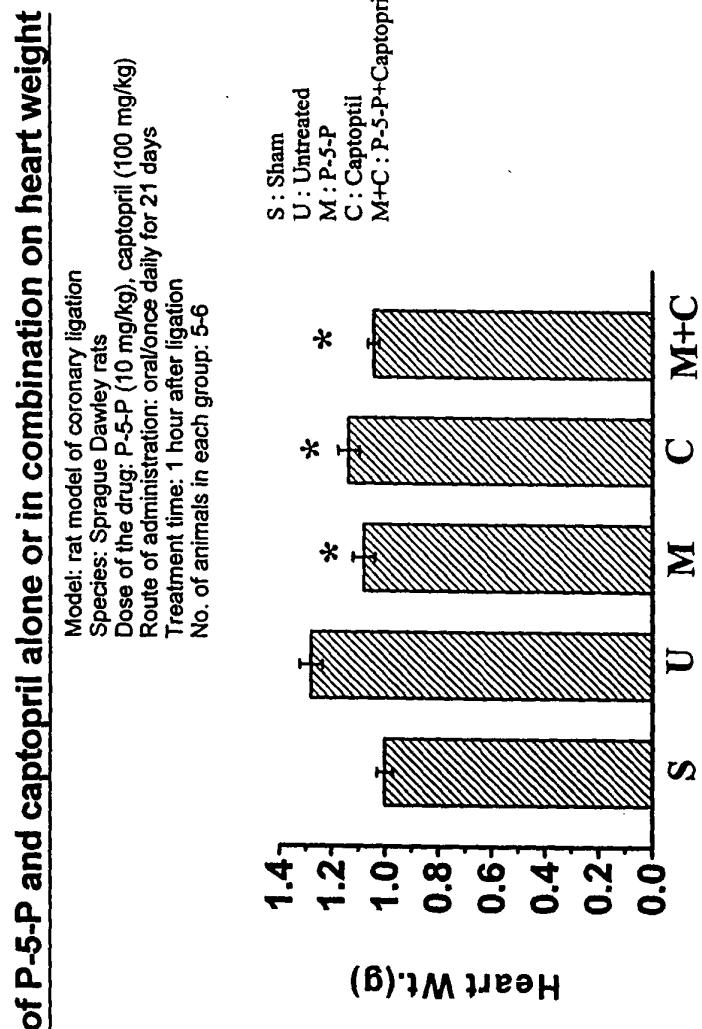
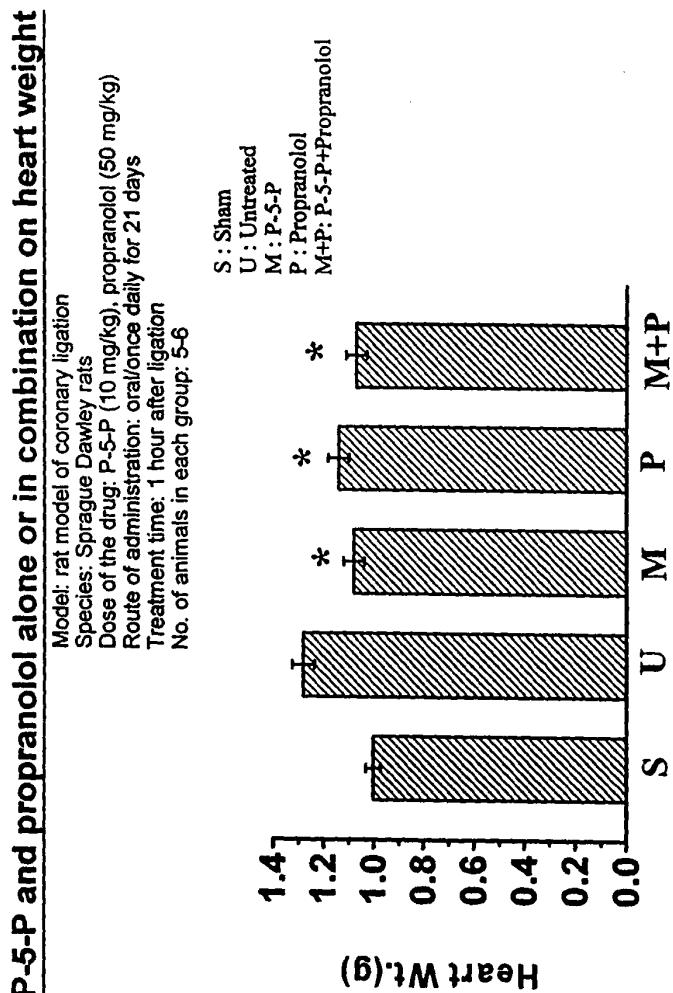


Figure 22
*P<0.05 significantly different from untreated group



*P<0.05 significantly different from untreated group
Figure 23

Effect of P-5-P and verapamil alone or in combination on heart weight

Model: rat model of coronary ligation

Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)

Route of administration: oral once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6

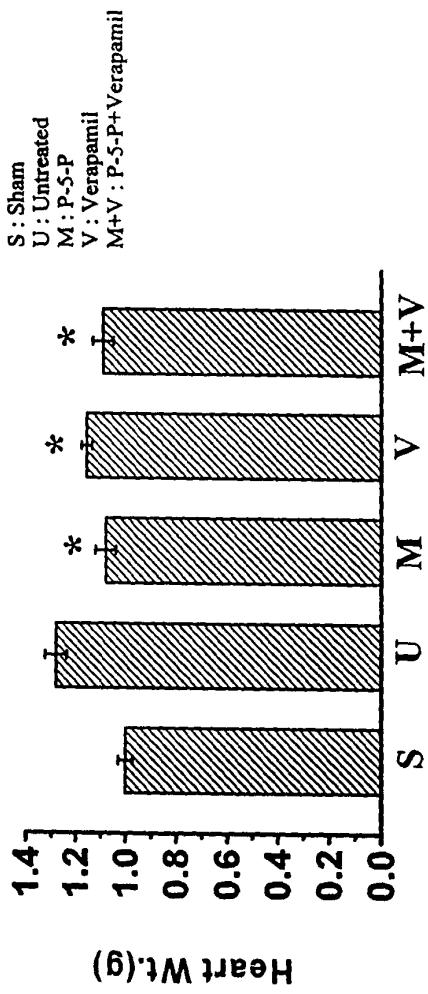


Figure 24

*P<0.05 significantly different from untreated group

Effect of P-5-P and aspirin alone or in combination on right ventricular weight

Model: rat model of coronary ligation

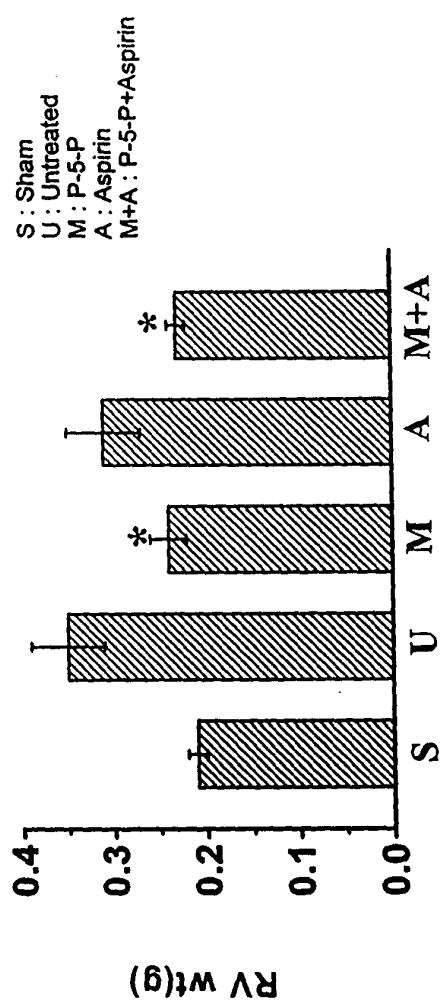
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6

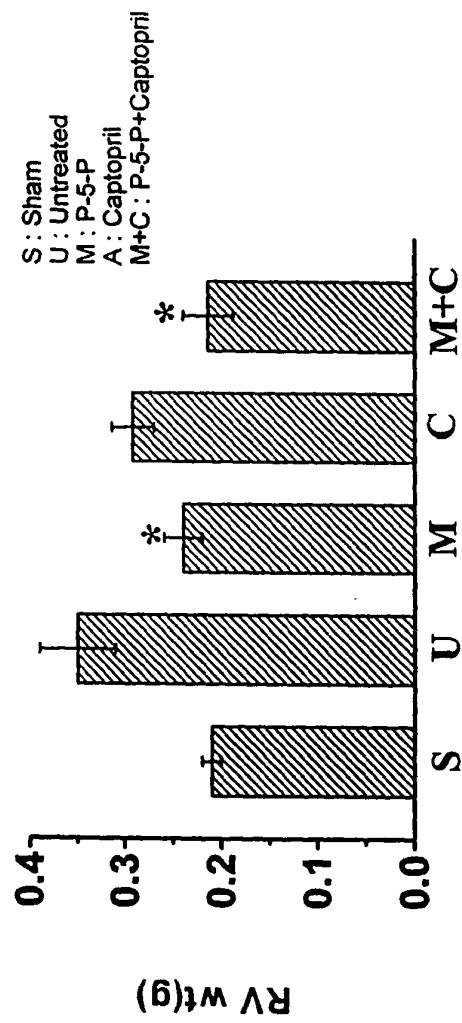


*P<0.05 significantly different from untreated group

Figure 25

Effect of P-5-P and captopril alone or in combination on right ventricular weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 26

Effect of P-5-P and propranolol alone or in combination on right ventricular weight

Model: rat model of coronary ligation

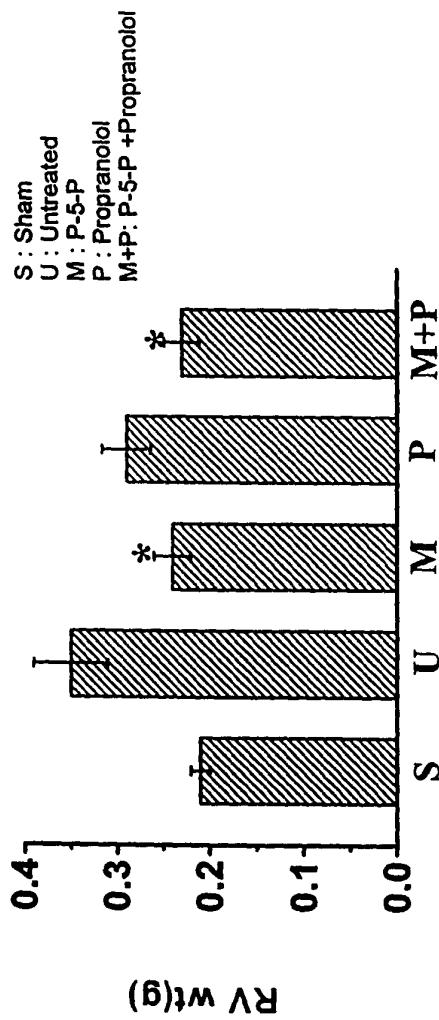
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment time: 1 hour after ligation

No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 27

Effect of P-5-P and verapamil alone or in combination on right ventricular weight

Model: rat model of coronary ligation

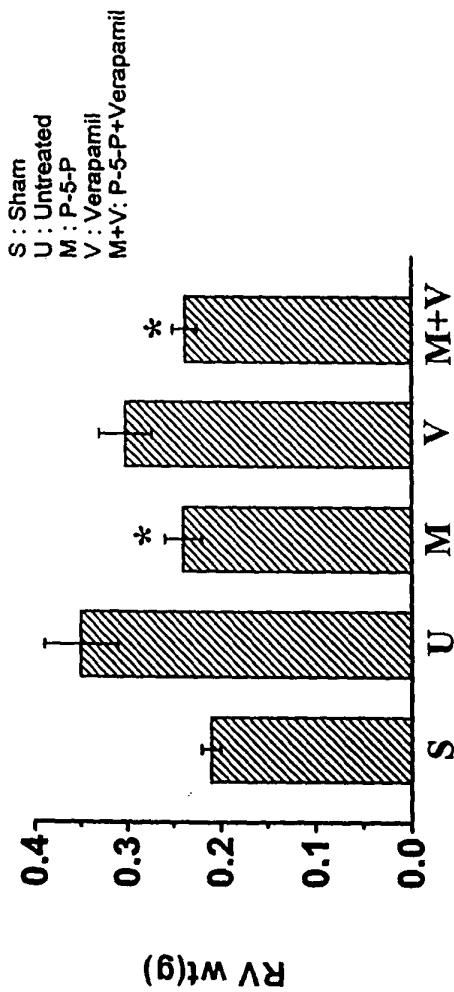
Species: Sprague Dawley rats

Dose of the drug: P-5-P (10 mg/kg), Verapamil (25 mg/kg)

Route of administration: oral/once daily for 21 days

Treatment start time: 1 hour after ligation

No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 28

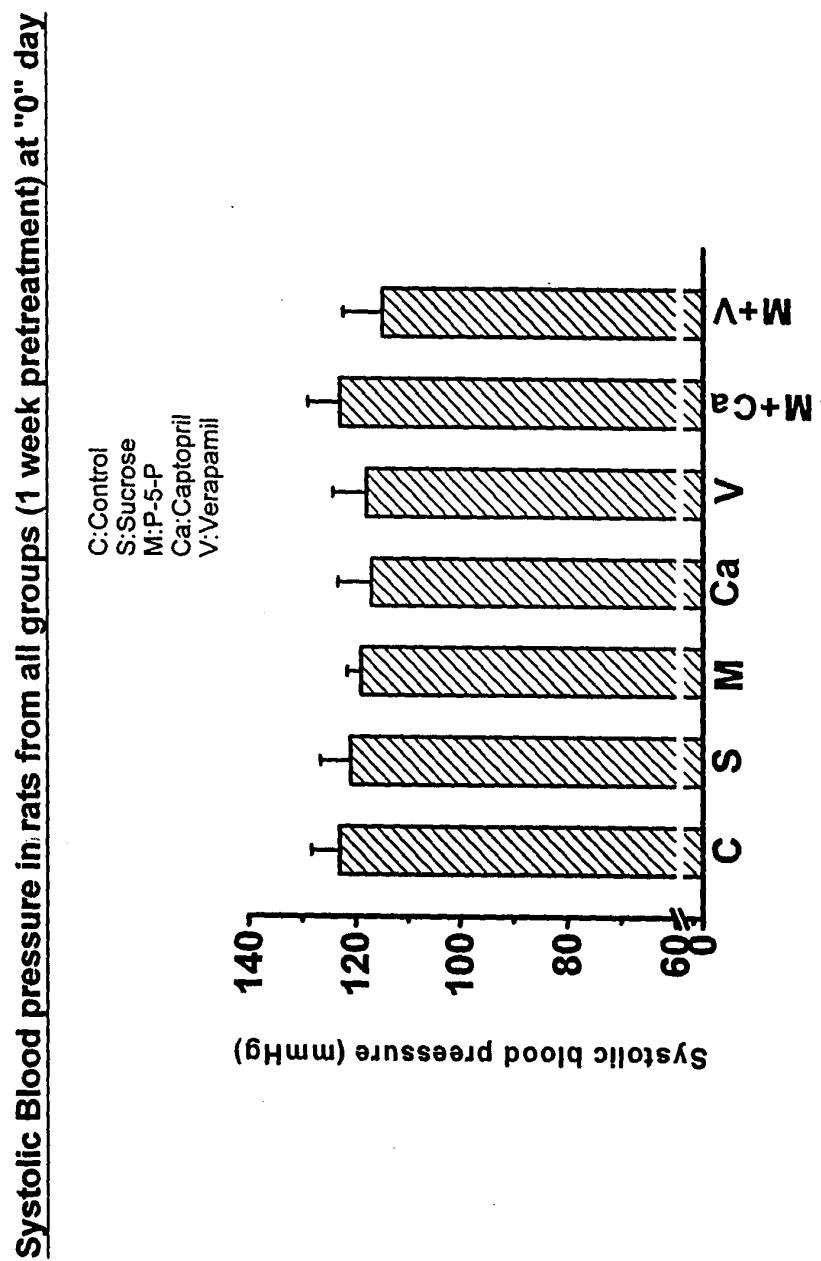
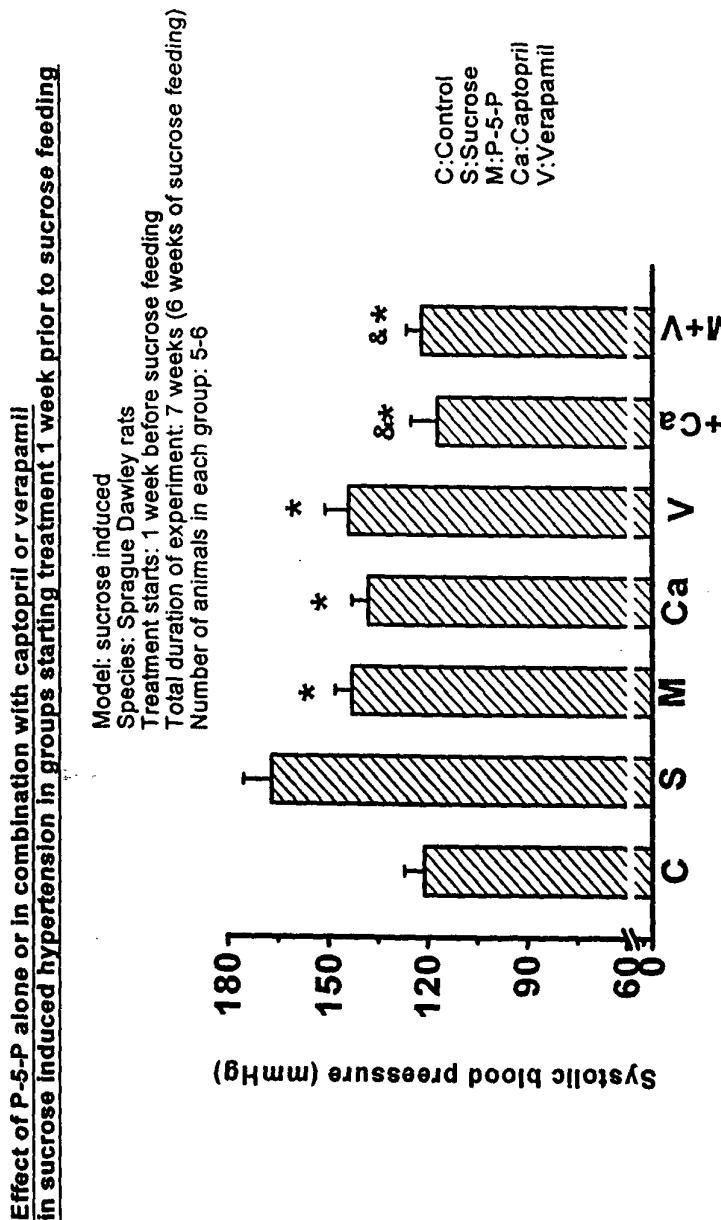


Fig. 29A



*P<0.05 compared with sucrose group
#P<0.05 Compare with M and Ca group
&P<0.05 Compared with M and V group

Fig. 29B

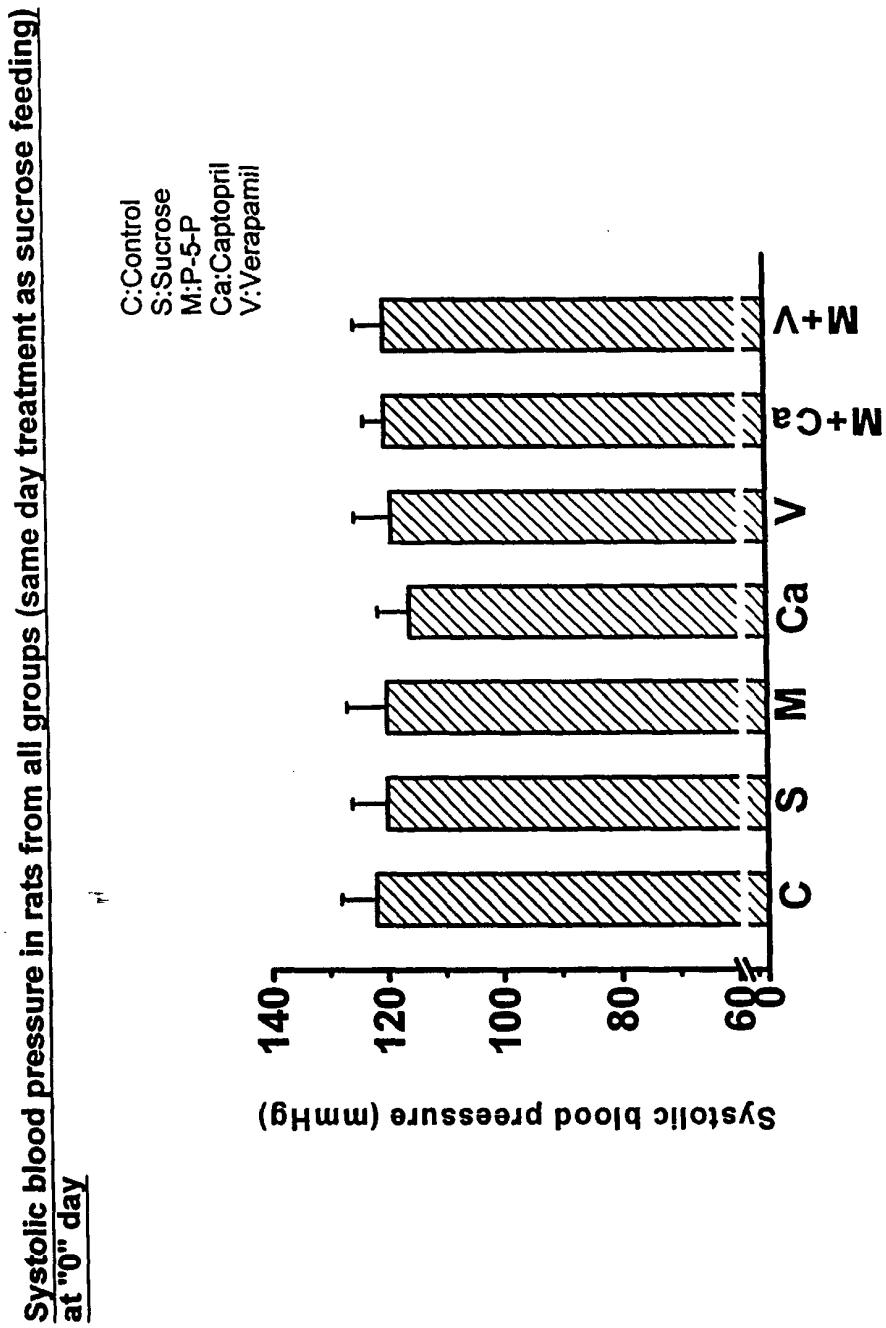
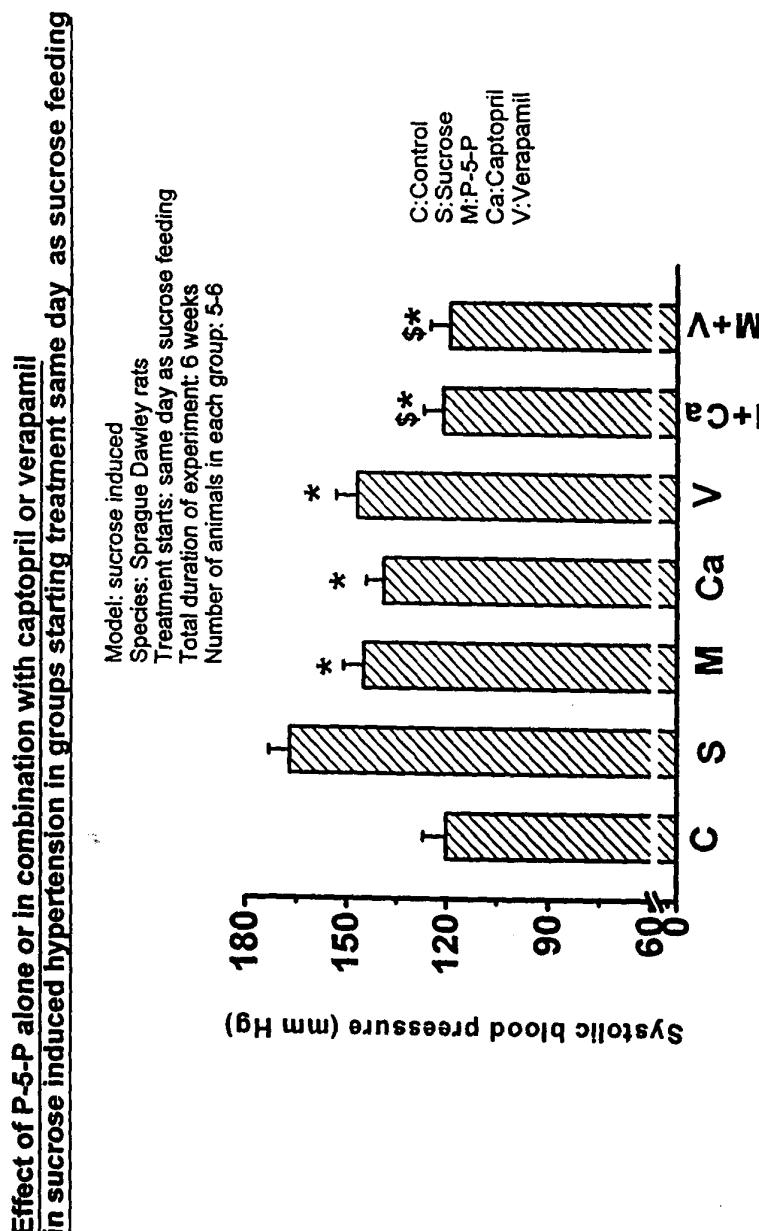


Fig. 30A



*P<0.05 Compared with sucrose group
#P<0.05 Compare with M and Ca group
\$P<0.05 Compared with M and V group

Fig. 30B

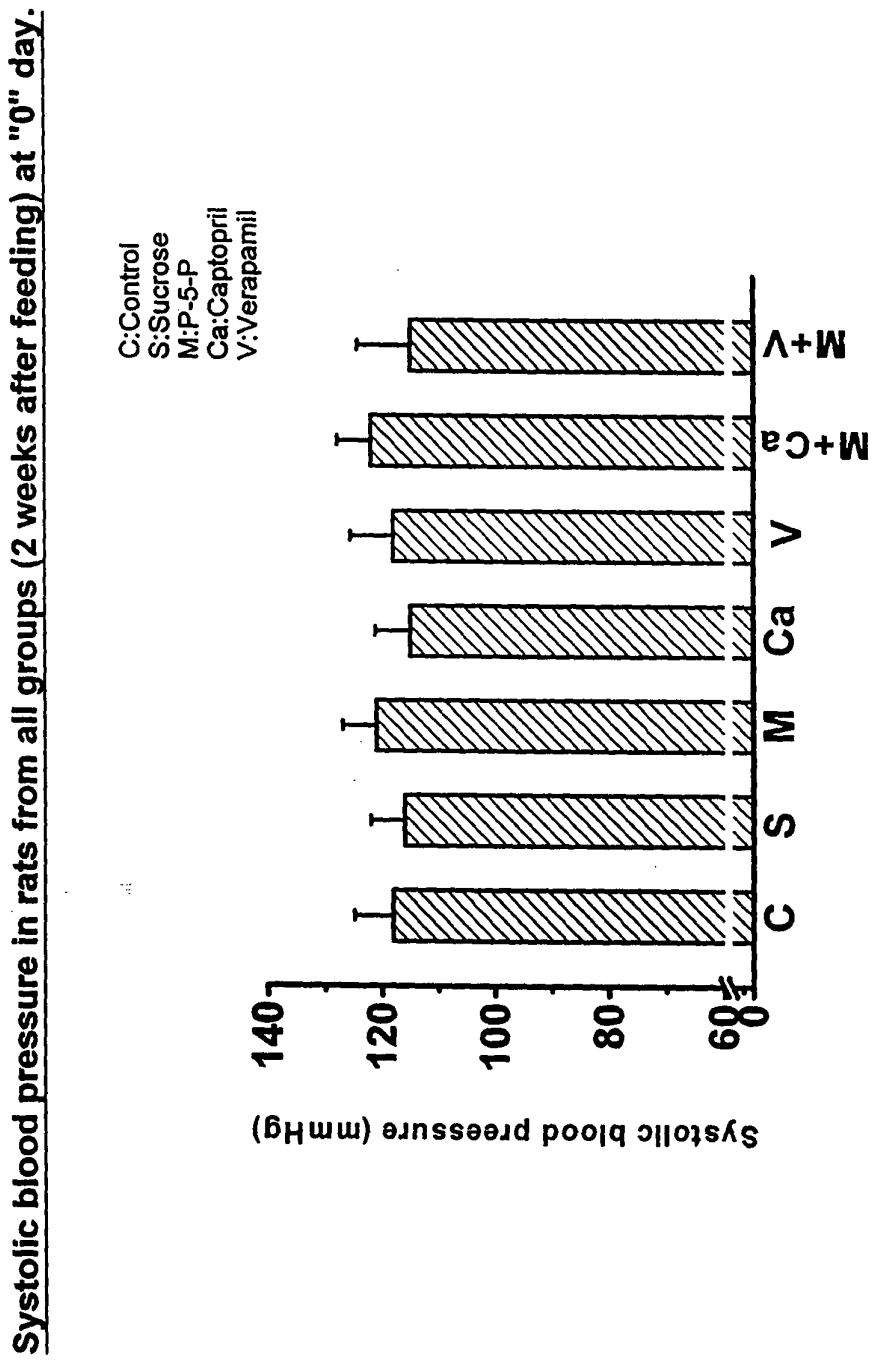
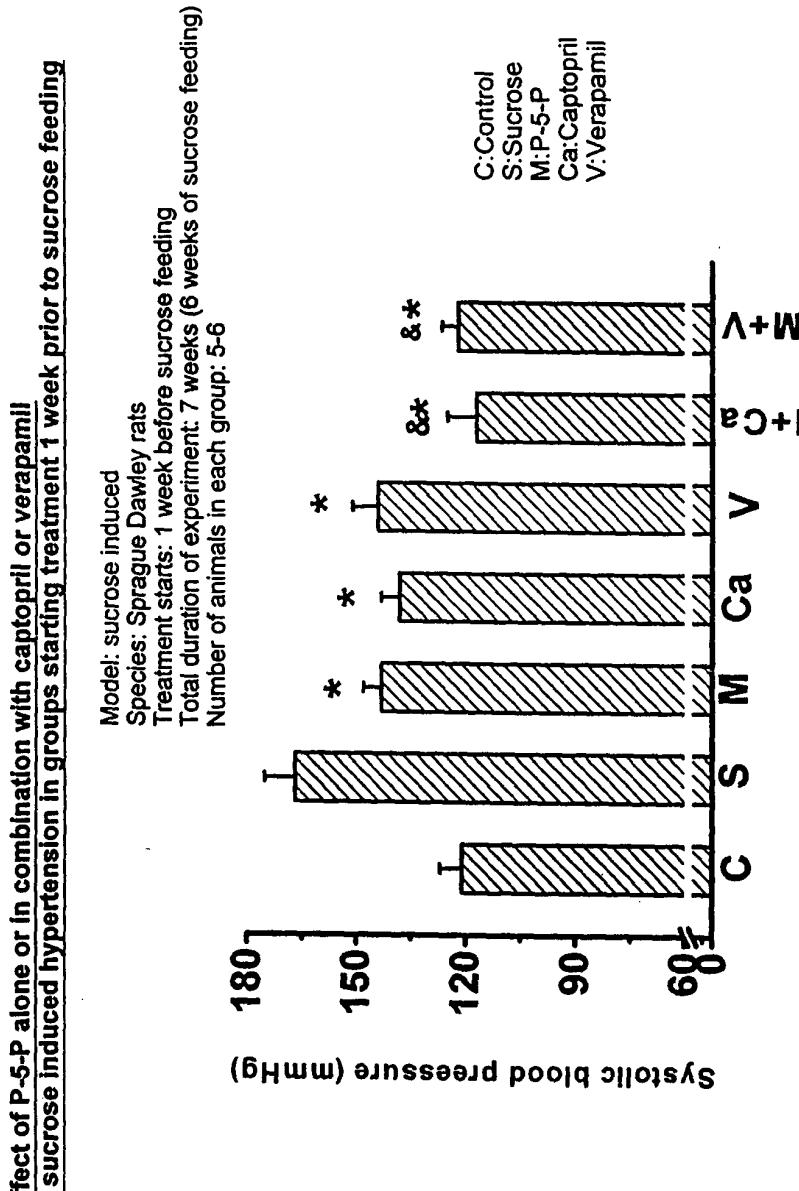


Fig. 31A



*P<0.05 compared with sucrose group
#P<0.05 Compare with M and Ca group
&P<0.05 Compared with M and V group

Fig. 31B